

Name: _____ Period: _____ Date: _____

Simplify each product

Points ____ of 10

Problem	Show work here	Write answer here
$(-2)^5$		
$(6x^2)(4x^5)$		
$(-7m^5n^3)(-3m^4n)$		

Simplify each of the following

Points ____ of 5

Problem	Show work here	Write answer here
$(H^2)^4$		
$(-2r^5)^3$		

Simplify each product

Points ____ of 10

Problem	Show work here	Write answer here
$\frac{3x^8y^5}{x^2y}$		
$\frac{(-2x^3y)^4}{4x^3y^4}$		

Simplify each product

Points ____ of 15

Problem	Show work here	Write answer here
$\frac{9x^8y^5}{3x^2y}$		
$\frac{(-2x^3y)^4}{4x^3y^2}$		
$\left(\frac{k^2l^3}{k^7l^4}\right)^5$		

	Explain the Process Step by Step
$\frac{(x^3y)^{-1}}{4} \cdot (2x^2y^3)^2$	

If we forgot the Law of Exponents how do we identify if we add, subtract or multiply the exponents. Create two examples, one for addition or subtraction and one for multiplication. Points ____ of 5
